



SEQUENCE LISTING

<110> KIRIN BEER KABUSHIKI KAISHA

<120> ANTI TRAIL-R ANTIBODY

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<151> 2001-05-18

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<213> Artificial Sequence

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<223> Description of Artificial Sequence:Synthetic DNA

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<210> 2

<211> 48

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<223> Description of Artificial Sequence:Synthetic DNA

<400> 2

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<210> 3

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic DNA

<400> 3

cacgaattcg ccaccatgga acaacgggga cag 33

<210> 4

<211> 48

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic DNA

<400> 4

tttctcgagg cggccgctca ttaggacatg gcagagtctg cattacct 48

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<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic DNA

<400> 5

ttctacgagc ggcttatcac agcctcctcc tctgaga 37

<210> 6
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<220>
<223> Description of Artificial Sequence:Synthetic DNA

<400> 6
ttctacgāgc ggccgcttat cacaagtctg caaagtcac 40

<210> 7
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<223> Description of Artificial Sequence:Synthetic DNA

<400> 7
ggtcaggag atcatgaggg tgcctt 27

<210> 8
<211> 26
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence:Synthetic DNA

<400> 8
gtgcacgccg ctggtcaggg cgcctg 26

<210> 9
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<212> DNA
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<223> Description of Artificial Sequence:Synthetic DNA

<400> 9

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23

<210> 10

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<213> Artificial Sequence

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<223> Description of Artificial Sequence:Synthetic DNA

<400> 10

atatagatct ctcagttagg acccagaggg aacc

34

<210> 11

<211> 31

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Synthetic DNA

<400> 11

gatgggccct tgggtgctagc tgaggagacg g

31

<210> 12

<211> 26

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Synthetic DNA

<400> 12

gttgaagctc tttgtgacgg gcgagc

26

<210> 13
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<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence:Synthetic DNA

<400> 13
tggcgggaag atgaagacag atggtg 26

<210> 14
<211> 33
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence:Synthetic DNA

<400> 14
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<210> 15
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<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence:Synthetic DNA

<400> 15
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<210> 16
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<212> DNA
<213> Homo sapiens

<400> 16

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tcaagagtcg agtcaccata tccgtagaca cgtccaagaa ccagttctcc ctgaagctga 360
gctctgtgac cgccgcagac acggctgtgt attactgtgc gagactgaca gtggctgagt 420
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<210> 17

<211> 146

<212> PRT

<213> Homo sapiens

<400> 17

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Met Asp Leu Met Cys Lys Lys Met Lys His Leu Trp Phe Phe Leu Leu
  1              5              10              15

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Leu Val Ala Ala Pro Arg Trp Val Leu Ser Gln Leu Gln Leu Gln Glu
          20              25              30

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Ser Gly Pro Gly Leu Val Lys Pro Ser Glu Thr Leu Ser Leu Thr Cys
      35              40              45

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Thr Val Ser Gly Gly Ser Ile Ile Ser Lys Ser Ser Tyr Trp Gly Trp
      50              55              60

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Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile Gly Ser Ile Tyr
      65              70              75              80

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Tyr Ser Gly Ser Thr Phe Tyr Asn Pro Ser Leu Lys Ser Arg Val Thr
          85              90              95

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Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys Leu Ser Ser
          100              105              110

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Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg Leu Thr Val
          115              120              125

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Ala Glu Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
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Ala Ser
145

<210> 18
<211> 421
<212> DNA
<213> Homo sapiens

<400> 18
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caccctgtct ttgtctccag gggaaagagc caccctctcc tgcagggcca gtcagagtgt 180
tagcagcttc ttagcctggt accaacagaa acctggccag gctcccaggc tcctcatcta 240
tgatgcatcc aacagggcca ctggcatccc agccaggttc agtggcagtg ggtctgggac 300
agacttcaact ctcaccatca gcagcctaga gcctgaagat tttgcagttt attactgtca 360
gcagcgtagc aactggcctc tcactttcgg ccctgggacc aaagtggata tcaaacgtac 420
g 421

<210> 19
<211> 129
<212> PRT
<213> Homo sapiens

<400> 19
Met Glu Ala Pro Ala Gln Leu Leu Phe Leu Leu Leu Leu Trp Leu Pro
1 5 10 15
Asp Thr Thr Gly Glu Ile Val Leu Thr Gln Ser Pro Ala Thr Leu Ser
20 25 30
Leu Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser
35 40 45
Val Ser Ser Phe Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro
50 55 60
Arg Leu Leu Ile Tyr Asp Ala Ser Asn Arg Ala Thr Gly Ile Pro Ala
65 70 75 80

Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser
85 90 95

Ser Leu Glu Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Arg Ser
100 105 110

Asn Trp Pro Leu Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys Arg
115 120 125

Thr

<210> 20
<211> 467
<212> DNA
<213> Homo sapiens

<400> 20
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aggagtctggg cccaggactg gtgaagccct cggagaccct gtccctcacc tgcactgtct 180
ctggtggctc catcagcagt aggagtaact actggggctg gatccgccag cccccaggga 240
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tcaagagtcg agtcaccata tccgtagaca cgtccaagaa ccagttctcc ctgaagctga 360
gctctgtgac cgtcgcagac acggctgtgt attactgtgc gagactgtca gtggctgagt 420
ttgactactg gggccaggga atcctgggtca ccgtctcctc agctagc 467

<210> 21
<211> 146
<212> PRT
<213> Homo sapiens

<400> 21
Met Asp Leu Met Cys Lys Lys Met Lys His Leu Trp Phe Phe Leu Leu
1 5 10 15

Leu Val Ala Ala Pro Arg Trp Val Leu Ser Gln Leu Gln Leu Gln Glu
20 25 30

Ser Gly Pro Gly Leu Val Lys Pro Ser Glu Thr Leu Ser Leu Thr Cys
8/20

35

40

45

Thr Val Ser Gly Gly Ser Ile Ser Ser Arg Ser Asn Tyr Trp Gly Trp
 50 55 60

Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile Gly Asn Val Tyr
 65 70 75 80

Tyr Arg Gly Ser Thr Tyr Tyr Asn Ser Ser Leu Lys Ser Arg Val Thr
 85 90 95

Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys Leu Ser Ser
 100 105 110

Val Thr Val Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg Leu Ser Val
 115 120 125

Ala Glu Phe Asp Tyr Trp Gly Gln Gly Ile Leu Val Thr Val Ser Ser
 130 135 140

Ala Ser
 145

<210> 22

<211> 417

<212> DNA

<213> Homo sapiens

<400> 22

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 ctgtctttgt ctccagggga aagagccacc ctctcttgta gggccagtca gagtgttagc 180
 agcttcttag cctggtacca acagaaacct ggccaggctc ccaggctcct catctatgat 240
 gcatccaaca gggccactgg cagcccagcc aggttcagtg gcagtgggtc tgggacagac 300
 ttcactctca ccatcagcag cctagagcct gaagattttg cagtttatta ctgtcagcag 360
 cgtagcgact ggcctctcac tttcggcctt gggaccaaag tggatatcaa acgtacg 417

<210> 23

<211> 129

<212> PRT

<213> Homo sapiens

<400> 23

Met Glu Ala Pro Ala Gln Leu Leu Phe Leu Leu Leu Leu Trp Leu Pro
1 5 10 15

Asp Thr Thr Gly Glu Ile Val Leu Thr Gln Ser Pro Ala Thr Leu Ser
20 25 30

Leu Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser
35 40 45

Val Ser Ser Phe Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro
50 55 60

Arg Leu Leu Ile Tyr Asp Ala Ser Asn Arg Ala Thr Gly Ser Pro Ala
65 70 75 80

Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser
85 90 95

Ser Leu Glu Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Arg Ser
100 105 110

Asp Trp Pro Leu Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys Arg
115 120 125

Thr

<210> 24

<211> 490

<212> DNA

<213> Homo sapiens

<400> 24

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ggagtcgggc ccaggactgg tgaagccttc ggagaccctg tccctcacct gcaactgtctc 180
tggtggctcc atcagcagta gtagttacta ctggggctgg gtccgccagc ccccaggga 240
ggggctggag tggattggga gtatccatta tagtgggagt actttctaca acccgctcct 300

caagagtcga gtcaccattt ccgtagacac gtccaagaac cagttctccc tgaagctgag 360
 ctctgtgacc gccgcagaca cgactgtgta ttactgtgcg agacaggggt ctactgtggt 420
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<210> 25

<211> 154

<212> PRT

<213> Homo sapiens

<400> 25

Met Asp Leu Met Cys Lys Lys Met Lys His Leu Trp Phe Phe Leu Leu
 1 5 10 15

Leu Val Ala Ala Pro Arg Trp Val Leu Ser Gln Leu Gln Leu Gln Glu
 20 25 30

Ser Gly Pro Gly Leu Val Lys Pro Ser Glu Thr Leu Ser Leu Thr Cys
 35 40 45

Thr Val Ser Gly Gly Ser Ile Ser Ser Ser Ser Tyr Tyr Trp Gly Trp
 50 55 60

Val Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile Gly Ser Ile His
 65 70 75 80

Tyr Ser Gly Ser Thr Phe Tyr Asn Pro Ser Leu Lys Ser Arg Val Thr
 85 90 95

Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys Leu Ser Ser
 100 105 110

Val Thr Ala Ala Asp Thr Thr Val Tyr Tyr Cys Ala Arg Gln Gly Ser
 115 120 125

Thr Val Val Arg Gly Val Tyr Tyr Tyr Gly Met Asp Val Trp Gly Gln
 130 135 140

Gly Thr Thr Val Thr Val Ser Ser Ala Ser
 145 150

<210> 26
<211> 423
<212> DNA
<213> Homo sapiens

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ctgtctttgt ctccagggga aagagccacc ctctcctgca gggccagtca gagtgttagc 180
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gacttcactc tcaccatcag cagactggag cctgaagatt ttgcagtgta ttactgtcag 360
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acg 423

<210> 27
<211> 131
<212> PRT
<213> Homo sapiens

<400> 27
Met Glu Thr Pro Ala Gln Leu Leu Phe Leu Leu Leu Leu Trp Leu Pro
1 5 10 15
Asp Thr Thr Gly Glu Ile Val Leu Thr Gln Ser Pro Gly Thr Leu Ser
20 25 30
Leu Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser
35 40 45
Val Ser Ser Ser Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala
50 55 60
Pro Arg Leu Leu Ile Tyr Gly Ala Ser Ser Arg Ala Thr Gly Ile Pro
65 70 75 80
Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile
85 90 95
Ser Arg Leu Glu Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr
12/20

100

105

110

Gly Ser Ser Pro Leu Tyr Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile
 115 120 125

Lys Arg Thr
 130

<210> 28

<211> 489

<212> DNA

<213> Homo sapiens

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 ctggtgcagt ctggggctga gatgaagaag cctggggcct cagtcaaggt ctcttgcaag 180
 acttctggat acaccttcac caattataag atcaactggg tgcgacaggc ccctggacaa 240
 ggacttgagt ggatgggatg gatgaaccct gacactgata gcacaggcta tccacagaag 300
 ttccagggca gagtcacat gaccaggaac acctccataa gcacagccta catggagctg 360
 agcagcctga gatctgagga cacggccgtg tattactgtg cgagatccta tggttcgggg 420
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 gtctcctca 489

<210> 29

<211> 145

<212> PRT

<213> Homo sapiens

<400> 29

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Ala His Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Met Lys Lys
 20 25 30

Pro Gly Ala Ser Val Lys Val Ser Cys Lys Thr Ser Gly Tyr Thr Phe
 35 40 45

Thr Asn Tyr Lys Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu
 13/20

50	55	60
Glu Trp Met Gly Trp Met Asn Pro Asp Thr Asp Ser Thr Gly Tyr Pro		
65	70	75 80
Gln Lys Phe Gln Gly Arg Val Thr Met Thr Arg Asn Thr Ser Ile Ser		
	85	90 95
Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val		
	100	105 110
Tyr Tyr Cys Ala Arg Ser Tyr Gly Ser Gly Ser Tyr Tyr Arg Asp Tyr		
	115	120 125
Tyr Tyr Gly Met Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser		
	130	135 140

Ser
145

<210> 30
<211> 417
<212> DNA
<213> Homo sapiens

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accctgtctt tgtctccagg ggaaagagcc accctctcct gcagggccag tcagagtgtt 180
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gatgcatcca acagggccac tggcatccca gccaggttca gtggcagtgg gtctgggaca 300
gacttcactc tcaccatcag cagcctagag cctgaagatt ttgcagttta ttactgtcag 360
cagcgtagca actggccgct cactttcggc ggagggacca aggtggagat caaacga 417

<210> 31
<211> 128
<212> PRT
<213> Homo sapiens

<400> 31

Met Glu Ala Pro Ala Gln Leu Leu Phe Leu Leu Leu Leu Trp Leu Pro
 1 5 10 15
 Asp Thr Thr Gly Glu Ile Val Leu Thr Gln Ser Pro Ala Thr Leu Ser
 20 25 30
 Leu Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser
 35 40 45
 Val Ser Ser Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro
 50 55 60
 Arg Leu Leu Ile Tyr Asp Ala Ser Asn Arg Ala Thr Gly Ile Pro Ala
 65 70 75 80
 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser
 85 90 95
 Ser Leu Glu Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Arg Ser
 100 105 110
 Asn Trp Pro Leu Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys Arg
 115 120 125

<210> 32

<211> 497

<212> DNA

<213> Homo sapiens

<400> 32

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 taaaagggtg ccagtgtgag gtacagctgt tggagtctgg gggaggcttg gtacagcctg 180
 ggaggtccct gagactctcc tgtgcagcct ctggattcac ctttagcagc tatgccatga 240
 gctgggtccg ccaggctcca gggaaggggc tggagtgggt ctcagctatt agtggtagt 300
 gtggttagcag atactacgca gactccgtga agggccggtt caccatctcc agagacaatt 360
 ccaagaacac gctgtatctg caaatgaaca gcctgagagc cgaggacacg gccgtatatt 420
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 tggtcaccgt ctctca 497

<210> 33
 <211> 139
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 <213> Homo sapiens

<400> 33
 Met Glu Phe Gly Leu Ser Trp Leu Phe Leu Val Ala Ile Leu Lys Gly
 1 5 10 15
 Val Gln Cys Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln
 20 25 30
 Pro Gly Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
 35 40 45
 Ser Ser Tyr Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
 50 55 60
 Glu Trp Val Ser Ala Ile Ser Gly Ser Gly Gly Ser Arg Tyr Tyr Ala
 65 70 75 80
 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn
 85 90 95
 Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val
 100 105 110
 Tyr Tyr Cys Ala Lys Glu Ser Ser Gly Trp Phe Gly Ala Phe Asp Tyr
 115 120 125
 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
 130 135

<210> 34
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 34
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 ccatcacctg ccgggccagt cagagcattg gtagtagctt aacttggtac cagcagaaac 240
 cagatcagtc tccaaagctc ctcatcaagt atgcttccca gtccttctca ggggtcccct 300
 cgaggttcag tggcagtgga tctgggacag atttcaccct caccatcaat agcctggaag 360
 ctgaagatgc tgcagcgtat tactgtcatc agagtagtag tttaccgatc accttcggcc 420
 aagggacacg actggagatt aaacga 446

<210> 35

<211> 127

<212> PRT

<213> Homo sapiens

<400> 35

Met Ser Pro Ser Gln Leu Ile Gly Phe Leu Leu Leu Trp Val Pro Ala
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Ser Arg Gly Glu Ile Val Leu Thr Gln Ser Pro Asp Phe Gln Ser Val
 20 25 30

Thr Pro Lys Glu Lys Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile
 35 40 45

Gly Ser Ser Leu His Trp Tyr Gln Gln Lys Pro Asp Gln Ser Pro Lys
 50 55 60

Leu Leu Ile Lys Tyr Ala Ser Gln Ser Phe Ser Gly Val Pro Ser Arg
 65 70 75 80

Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Asn Ser
 85 90 95

Leu Glu Ala Glu Asp Ala Ala Ala Tyr Tyr Cys His Gln Ser Ser Ser
 100 105 110

Leu Pro Ile Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg
 115 120 125

<210> 36

<211> 31

<212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:Synthetic DNA

 <400> 36
 tcttgtccac cttggtgttg ctgggcttgt g 31

 <210> 37
 <211> 30
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:Synthetic DNA

 <400> 37
 aggcacacaa cagaggcagt tccagatttc 30

 <210> 38
 <211> 19
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:Synthetic DNA

 <400> 38
 gatttaggtg acactatag 19

 <210> 39
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:Synthetic DNA

<400> 39
taatacagact cactataggg 20

<210> 40
<211> 41
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Synthetic DNA

<400> 40
atcacagatc tctcaccatg gaagccccag ctcagcttct c 41

<210> 41
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<223> Description of Artificial Sequence:Synthetic DNA

<400> 41
ggtgcagcca ccgtacgttt gatctccacc ttg 33

<210> 42
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Synthetic DNA

<400> 42
gcgactaagt cgacaccatg gactggacct ggaggatc 38

<210> 43
<211> 32

<212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:Synthetic DNA

 <400> 43
 agagagagag gctagctgag gagacggtga cc 32

 <210> 44
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 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:Synthetic DNA

 <400> 44
 ggtacgtgaa ccgtcagatc gcctgga 27

 <210> 45
 <211> 27
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:Synthetic DNA

 <400> 45
 tctatataag cagagctggg tacgtcc 27